

# PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: SCHOLTYSEK

In re Application of:	)	
WERNER SCHOLTYSEK ET AL.	)	
Int. Appl. No.: PCT/EP2004/007036	)	
Int. Filing Date: June 29, 2004	)	Confirmation No.: 8109
U.S. Appl. No.: 10/563,081	)	
For: AQUEOUS ADHESIVE COMPOSITION	)	

### INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R:

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the references listed on enclosed form PTO-1449 which were cited in the instant specification and in the International Search Report issued by the European Patent Office with regard to the corresponding International patent application No. PCT/EP2004/007036. Applicant does not admit that any of the cited documents constitutes prior art against the pending application, respectively.

Copies of these references are submitted herewith along with form PTO-1449. The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

- ☐ This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under 1.53(d), so that no fee under 37 C.F.R. §1.97 is due.
- ☒ This Information Disclosure Statement is filed within three months of the date of entry of the national stage as set forth in 1.491 in an international application, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed after the issuance of a first office but before issuance of a final action under §1.113, or a notice of allowance under §1.311.
- ☐ This Information Disclosure Statement is submitted after the mailing of a final action or a notice of allowance, but before payment of the issue fee.
- ☐ The undersigned submits the following statement requesting consideration of this statement:  
The undersigned hereby states:
  - ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;
  - ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person

making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

☐ The fee of \$180.00 set forth in 1.17(p).

☐ The Commissioner is hereby authorized to charge the fee as set forth in 1.17(p), and any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

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In order to satisfy the requirement under 37 C.F.R. §1.98(a)(3) for a concise explanation of the relevance of each item of information, applicant herewith submits a copy of the International Search Report. In addition, applicant notes with respect to any information that is not in English language as follows:

German Patent No. DE 695 04 151 T2 describes an aqueous emulsion comprising a dispersant of a modified polyvinyl alcohol with an ethylene unit content of 2 to 9 mol% and a degree of hydrolysis of at least 95 mol%, a dispersoid of a polymer of an ethylenically unsaturated monomer, and a ratio ( $\eta_{2rpm}/\eta_{20rpm}$ ) of Brookfield viscosity at 30 DEG C, 2 rpm ( $\eta_{2rpm}$ ) as against Brookfield viscosity at 30 DEG C, 20 rpm ( $\eta_{20rpm}$ ) being 1 to 1.8 when the latter viscosity ( $\eta_{20rpm}$ ) is adjusted to 5,000 to 10,000 mPa.S. The aqueous emulsion according to the present invention is excellent in structural viscosity (flowability, high speed application performance), provides coated layers with high water resistance and low-temperature stability, and can be suitably used extensively as an adhesive for paper, wood and plastics, as a binder for impregnated paper and non-woven products, as an additive for mortar, as a paint, and in paper and fiber processing.

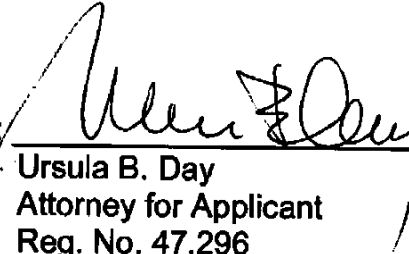
German Patent No. DE 692 29 921 T2 describes a composition which comprises an (A) aqueous emulsion selected from (A-1) aqueous emulsion comprising a dispersoid which comprises a vinyl ester polymer (1) and a copolymer a (meth)acrylic ester and a primary hydroxyl group-containing ethylenically unsaturated monomer (2), the polymer (1) being present principally in the central part of the dispersoid, the

copolymer (2) having a glass transition temperature of lower than 50 DEG C an being present principally in the peripheral part thereof; and a dispersant comprising a vinyl alcohol polymer and (A-2) aqueous emulsion comprising a dispersoid which comprises a copolymer of a hydrophobic unsaturated monomer such as (meth)acrylic ester and a primary hydroxyl group-containing ethylenically unsaturated monomer; and a dispersant comprising a vinyl alcohol polymer having a mercapto group at an end thereof and a (B) polyvalent isocyanate compound. Disclosed also are an adhesive comprising the aforementioned composition and a wooden product which is joined by the use of the adhesive. The above-disclosed adhesive is excellent in initial adhesivity, adhesive strength, water resistance and so forth.

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

Respectfully submitted

By:   
Ursula B. Day  
Attorney for Applicant  
Reg. No. 47,296

Date: April 6, 2006  
350 Fifth Avenue  
Suite 4714  
New York, N.Y. 10118  
(212) 244-5500  
UBD:be